

FIG. 1

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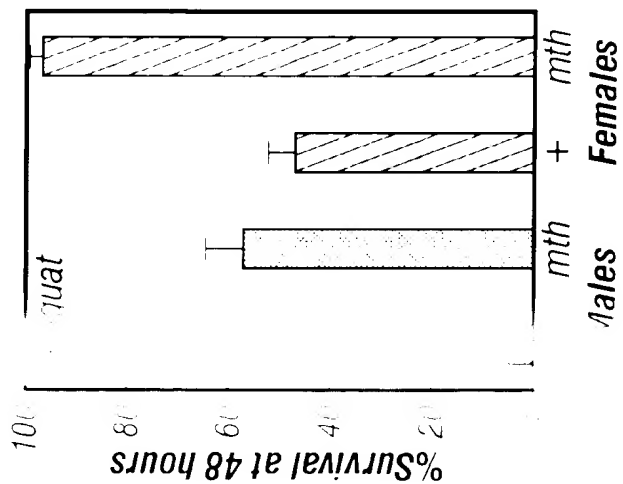


FIG. 2A

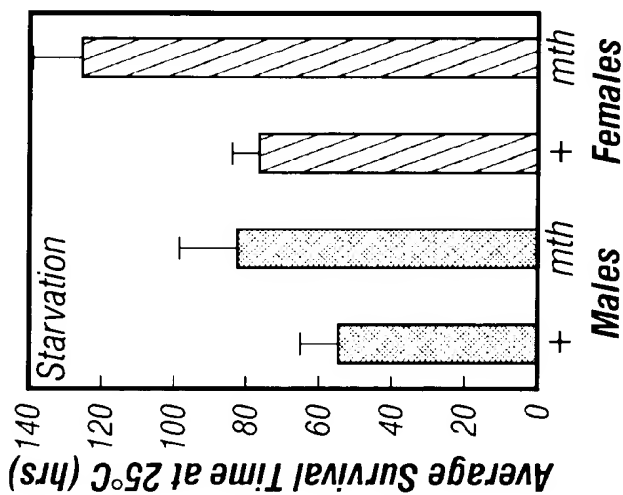


FIG. 2B

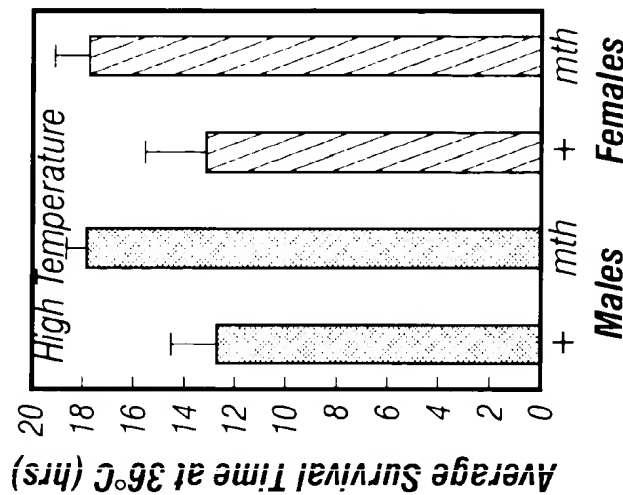


FIG. 2C

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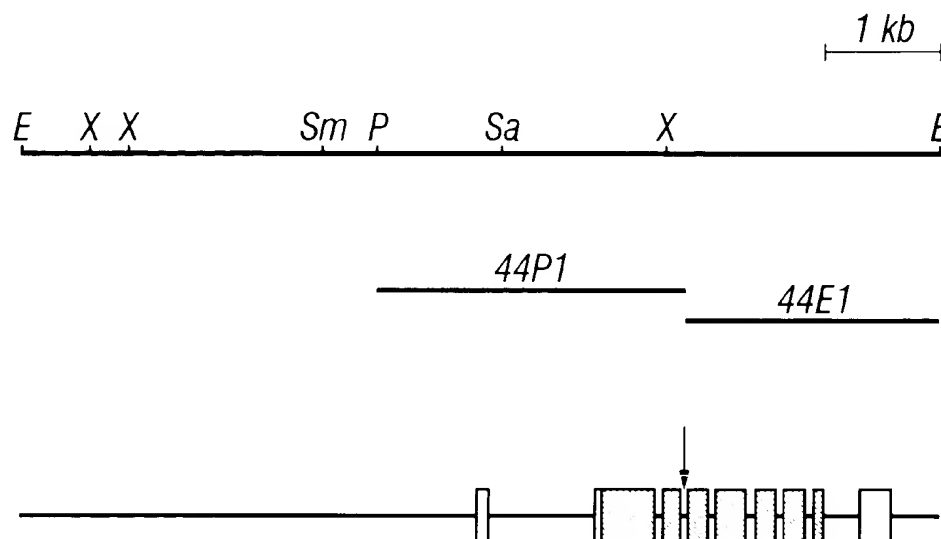


FIG. 3A

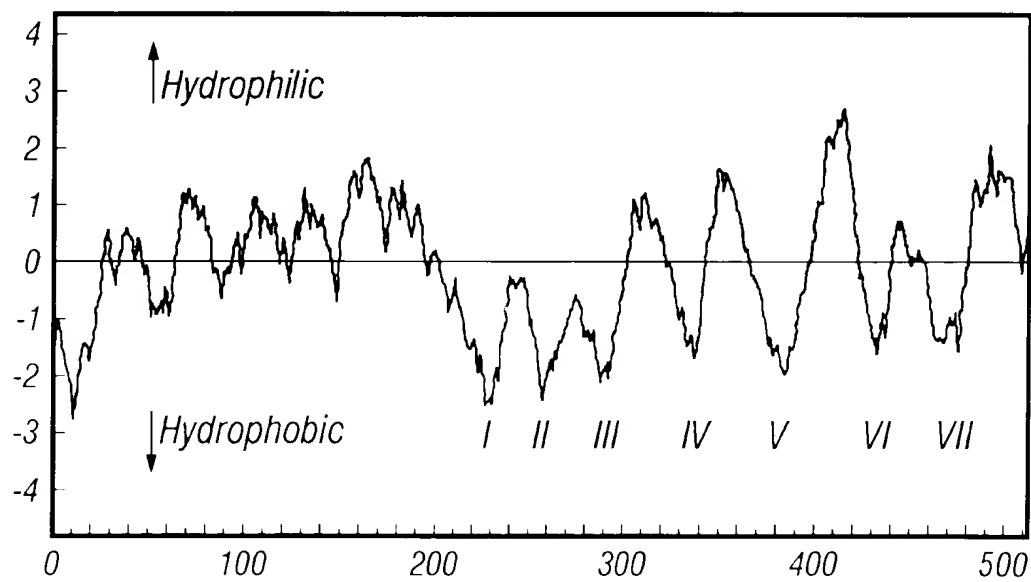


FIG. 3B-1

FIG. 3B-1

[illegible]

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MT: NCLIVPSITGQTVMMISSLICMVLTI~~IAVYL~~FVKKLQNLHGKCFICYMVCL 257
 hCI SLFCLLCILL~~TFLL~~VRPIQ~~Q~~GSRTTIHLHLCICL 497
 rLF NELLLSVIT--WVGIVISLVCLAI~~CISTFC~~FLRGLQ~~Q~~TD~~DRNTI~~HKNLCINL 902
 mEN VISLVCLALAIATFLLCRAVQ~~NHNTYMH~~LLHLCVCL 690
 SL.C. . . I Q L

MT: FMGYLLELLDLWQISISF---CKPAGFLGYFFVM~~AA~~F~~W~~LSVISLHLWNT 304
 hCI FVGSTI~~FLAG~~IENTEGQVGLRCRLV~~AGLLHY~~CFL~~AA~~F~~W~~MSLEGLELYFL 547
 rLF FLAELLFLVGI~~DKTQ~~YEV--ACPIF~~AGLLHY~~F~~FLAA~~F~~W~~LCLEGVHLYLL 950
 mEN FLAKILFLTGI~~DKTD~~NQT--ACAI~~IAG~~FLHYLFLAC~~FFW~~MLVEAVMLFLM 738
 F . . . L . . . C . . . A.F W . . . L

MT: ERGSSHKANRFLFEHR---FLAYNTYAWGMAVVL~~TGI~~TVLADNIVENQDW 351
 hCI VVRVFQGG---GLSTR---WLC~~LI~~GYGV~~PLL~~IVGVSA~~AI~~Y----- 581
 rLF LVEVFESSE---YSRTK-----YYLGGYCF~~PAL~~VVGIA~~AA~~ID----- 984
 mEN VRNLKVVN---YFSSRNIKMLHLCAFGYGL~~PVL~~V~~VI~~ISASVQ----- 777

MT: NPR-VGHEGH~~CW~~IYTQAWSAMLYFYGPMV~~F~~IAFNITMFI~~LTA~~KRILGVK 400
 hCI -SKGYGRPRY~~CWL~~D~~FE~~EQG-~~FW~~SFLGPV~~TFI~~ILCNAVIFVT~~TV~~WKLTQKF 629
 rLF -YRSYGTEKAC~~CWL~~RVDNY-~~FI~~WSF~~I~~GPV~~SF~~IVVNLV~~F~~ELMV~~TT~~LHKMIRSS 1032
 mEN -PRGYGMHNR~~CWL~~NTETG-~~FI~~WSF~~L~~GPVCMIT~~INS~~VLLAW~~TT~~LWVLRQKL 825
 . G CW . . F GP . . I N . . T . .

FIG. 4A

MT:	KDIQNEAHRQERKQKLN	SDKQ	T	Y	T	F	F	L	R	L	F	I	I	M	G	L	S	W	S	L	E	I	G	S	Y	F	S	Q	S	N	Q	450										
hC:	SEIN	----	P	D	M	K	K	L	K	K	A	R	A	L	T	I	A	I	A	Q	L	F	L	-	G	C	T	W	V	F	G	L	F	I	F	D	D	R	S	671		
rL:	SVLK	----	P	D	S	S	R	L	D	N	I	K	S	W	A	L	G	A	I	A	L	L	F	L	-	G	L	T	W	A	F	G	L	L	F	I	N	K	E	S	1074	
mE:	CSVS	----	S	E	V	S	K	L	K	D	T	R	L	L	T	F	K	A	I	A	Q	I	F	I	L	-	G	C	S	W	V	L	G	I	F	Q	I	G	P	L	A	867
	S			

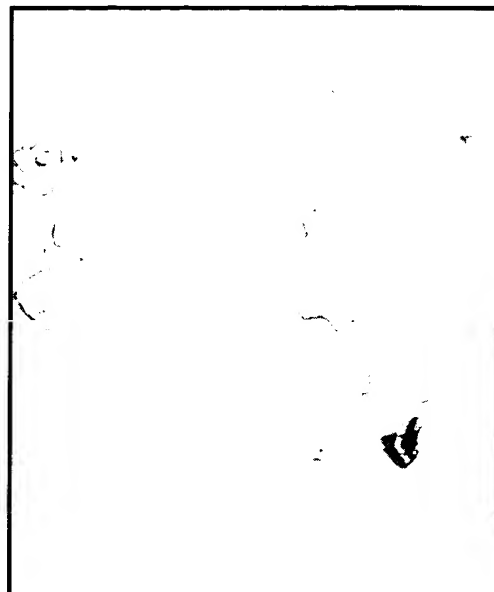
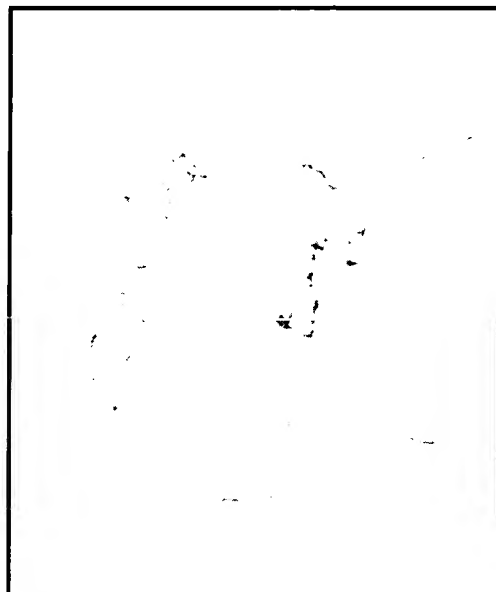
MT:	FWANVFLVADYLNWS	Q	G	I	I	I	F	I	L	F	V	L							
hC:	--LVLT	Y	F	T	I	L	N	C	L	Q	G	A	F	L	L	H	C	L	
rL:	--VVMAY	L	F	T	T	F	N	A	F	Q	G	V	F	I	F	V			
mE:	--SIMAY	L	F	T	I	I	N	S	L	Q	G	A	F	I	F	L	H	C	L
		

FIG. 4B

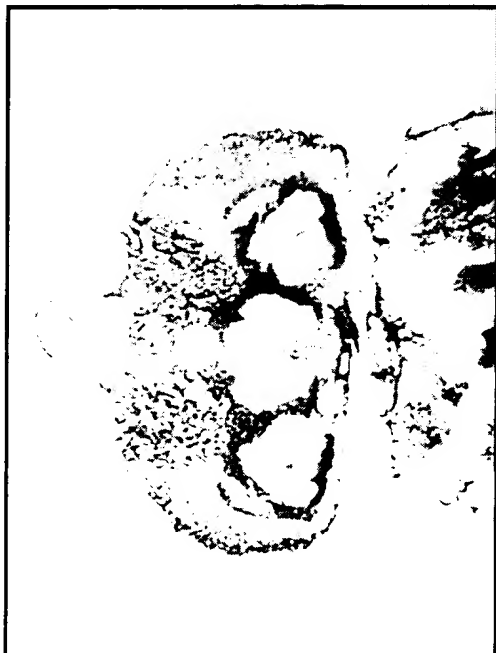
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FIG. 5

Methuselah



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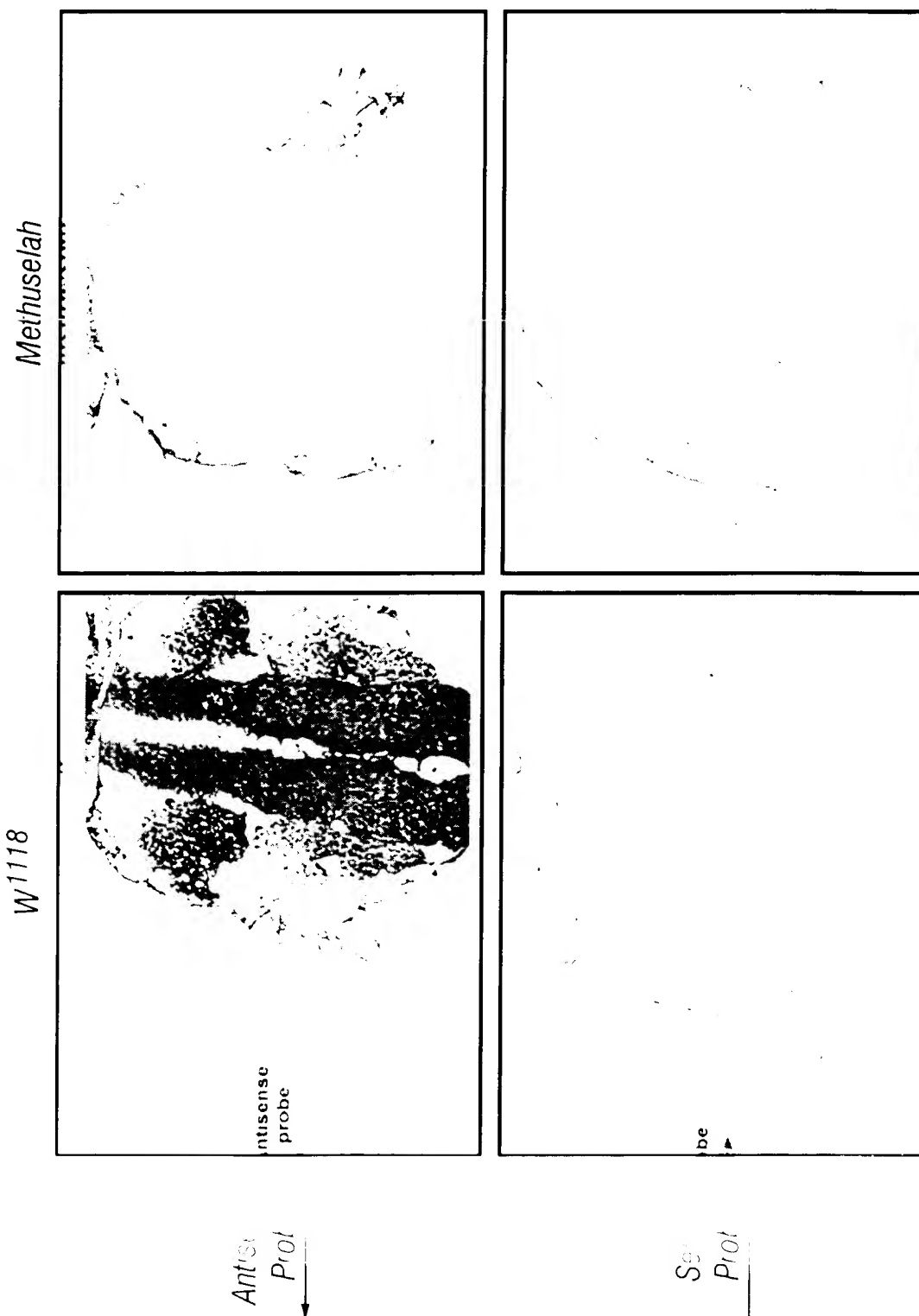


Antic
Pit
↓

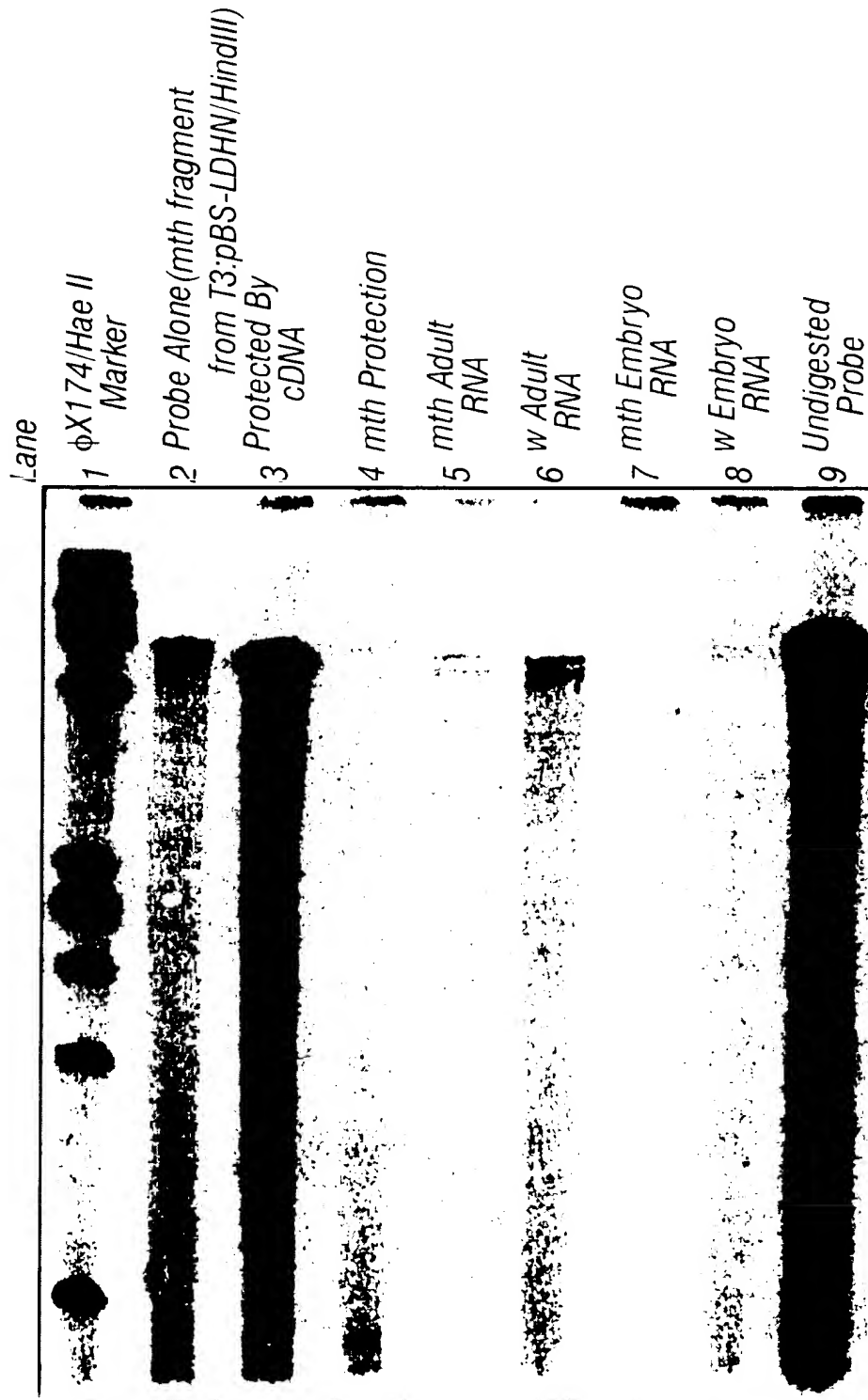
S
Pit
↓

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FIG. 6



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RNase Protection Assay

FIG. 7

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FIG. 8A



FIG. 8B



FIG. 8C

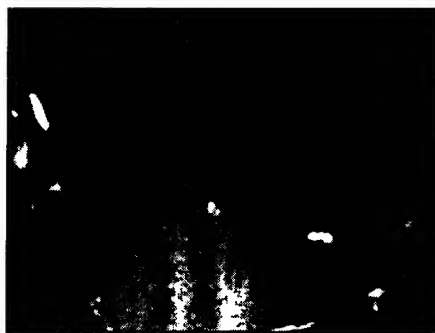


FIG. 8D



FIG. 8E



FIG. 8F



FIG. 8G



FIG. 8H